


		NTSB ID: DEN01LA034		Aircraft Registration Number: N3891P	
		Occurrence Date: 12/24/2000		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place SPRINGFIELD	State CO	Zip Code 81073	Local Time 1630	Time Zone MST	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer BARACKMAN VANS		Model/Series RV-6		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On December 24, 2000, approximately 1630 mountain standard time, a Barackman Vans RV-6, N3891P, was substantially damaged when it collided with terrain while landing at the Springfield, Colorado, Municipal Airport. The private pilot and his passenger were not injured. Visual meteorological conditions prevailed, and no flight plan had been filed for the personal flight being conducted under Title 14 CFR Part 91. The flight originated from Santa Fe, New Mexico, approximately 1500.</p> <p>According to the pilot's accident report, he and his passenger were en route from Phoenix, Arizona, to Dodge City, Kansas, with a refueling stop at Santa Fe, New Mexico. While the airplane was being refueled, he checked the weather and learned that VFR conditions at Dodge City and Garden City were expected to deteriorate. After departing Santa Fe, marginal VFR conditions were encountered and the decision was made to divert to Springfield, Colorado. As the airplane made a full flap approach to runway 17, the pilot "felt a bump," the right flap retracted, and the airplane rolled abruptly to the right. The pilot added full power and left aileron but it had no effect. The airplane drifted off the right side of the runway, dragging the wing tip, then cart wheeled and nosed into the ground.</p> <p>Post accident inspection revealed the right hand flap rod (p/n F-659) had failed, causing a split flap condition. The pilot noted that the failed actuator rod was aluminum tubing threaded at each end. Wall thickness at the threaded ends is "very thin. I feel this part should be made of steel," he wrote.</p> <p>Vans Aircraft, Inc., was contacted with the details of this accident. According to the company's general manager, "the failure was associated with poor workmanship rather than materials defect or structural design...the original builder had not enlarged the hole required in the fuselage large enough to prevent the rod from 'scraping' during flap extension. The continued scraping had eventually worn away the entire side of the rod and resulted in total failure."</p>					
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		Occurrence Date: 12/24/2000			
		Occurrence Type: Accident			
<b>Landing Facility/Approach Information</b>					
Airport Name SPRINGFIELD MUNICIPAL	Airport ID: 8V7	Airport Elevation 4387 Ft. MSL	Runway Used 17	Runway Length 5000	Runway Width 60
Runway Surface Type: Asphalt					
Runway Surface Condition: Dry					
Type Instrument Approach: NONE					
VFR Approach/Landing: Full Stop					
<b>Aircraft Information</b>					
Aircraft Manufacturer BARACKMAN VANS		Model/Series RV-6		Serial Number 23736	
Airworthiness Certificate(s): Experimental (Special)					
Landing Gear Type: Tailwheel					
Homebuilt Aircraft? Yes	Number of Seats: 2	Certified Max Gross Wt. 1667 LBS		Number of Engines: 1	
Engine Type: Reciprocating	Engine Manufacturer: Lycoming	Model/Series: O-320-A2B		Rated Power: 150 HP	
<b>- Aircraft Inspection Information</b>					
Type of Last Inspection Unknown	Date of Last Inspection 12/2000	Time Since Last Inspection 42 Hours		Airframe Total Time 117 Hours	
<b>- Emergency Locator Transmitter (ELT) Information</b>					
ELT Installed? Yes	ELT Operated? Yes	ELT Aided in Locating Accident Site? No			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner  CROTTS AIRCRAFT SERVICE, INC.		Street Address			
		City DODGE CITY	State KS	Zip Code 67801	
Operator of Aircraft  NEIL L. CROTTS		Street Address			
		City DODGE CITY	State KS	Zip Code 67801	
Operator Does Business As:			Operator Designator Code:		
<b>- Type of U.S. Certificate(s) Held: None</b>					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Personal					
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<b>First Pilot Information</b>																																																																																						
Name			City		State	Date of Birth	Age																																																																															
On File			On File		On File		50																																																																															
Sex: M	Seat Occupied: Left		Principal Profession: Business			Certificate Number:																																																																																
Certificate(s): Private																																																																																						
Airplane Rating(s): Single-engine Land																																																																																						
Rotorcraft/Glider/LTA: None																																																																																						
Instrument Rating(s): None																																																																																						
Instructor Rating(s): None																																																																																						
Type Rating/Endorsement for Accident/Incident Aircraft?				Current Biennial Flight Review?																																																																																		
Medical Cert.: Class 3		Medical Cert. Status: Valid Medical--w/ waivers/lim.			Date of Last Medical Exam: 09/1999																																																																																	
<table border="1"> <thead> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> </thead> <tbody> <tr> <td>Total Time</td> <td>2810</td> <td>37</td> <td>2810</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>2810</td> <td>37</td> <td>2810</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>54</td> <td>37</td> <td>54</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>28</td> <td>20</td> <td>28</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>4</td> <td>4</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	2810	37	2810								Pilot In Command(PIC)	2810	37	2810								Instructor											Last 90 Days	54	37	54								Last 30 Days	28	20	28								Last 24 Hours	4	4	4							
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Seatbelt Used? Yes		Shoulder Harness Used? Yes			Toxicology Performed? No		Second Pilot? No																																																																															
<b>Flight Plan/Itinerary</b>																																																																																						
Type of Flight Plan Filed: None																																																																																						
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SANTA FE		NM		SAF		1500		MST																																																																														
Destination		State		Airport Identifier																																																																																		
DODGE CITY		KS		DDC																																																																																		
Type of Clearance: None																																																																																						
Type of Airspace: Class G																																																																																						
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Source of Briefing: Flight Service Station																																																																																						
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			Occurrence Type: Accident		

<b>Weather Information</b>					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
SPD	1656	MST	4387 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Clear				0 Ft. AGL	Condition of Light: Day
Lowest Ceiling: None			0 Ft. AGL	Visibility: 10 SM	Altimeter: 30.00 "Hg
Temperature: 0 °C	Dew Point: -3 °C		Wind Direction: 140		Density Altitude: 3184 Ft.
Wind Speed: 15		Gusts:	Weather Conditions at Accident Site: Visual Conditions		
Visibility (RVR): 0 Ft.	Visibility (RVV) 0 SM		Intensity of Precipitation: Unknown		
Restrictions to Visibility: None					
Type of Precipitation: None					

<b>Accident Information</b>					
Aircraft Damage:		Aircraft Fire:		Aircraft Explosion	
Classification:					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers				1	1
- TOTAL ABOARD -				2	2
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	2	2

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<b>Administrative Information</b>		
<b>Investigator-In-Charge (IIC)</b> ARNOLD W. SCOTT		
<b>Additional Persons Participating in This Accident/Incident Investigation:</b>  JAMES D JELLISON FAA FSDO DENVER, CO 80249		
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